

Appl. No. 10/848,675  
Amdt. dated March 5, 2007  
Reply to Office Action dated March 27, 2006

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Amendments to the Claims:

What is claimed is:

1. (Currently amended) A method for setting opto-sensor detection sensitivity in a projection video display comprising the steps of:
  - a) sequentially generating video signals of different colors for illuminating a sensor with video images of said video signals;
  - b) automatically selecting respective detection thresholds responsive to said video signals, wherein said selecting step comprises the steps of activating for each said video signal a specific threshold value for detecting sensor signals and sustaining said selected threshold value for a time interval following cessation of said generating step;
  - c) sequentially detecting sensor signals in excess of said respective detection thresholds; and,
  - d) coupling said detected sensor signals for automated adjustment of said projection video display.
2. (Canceled)
3. (Original) The method of claim 1, wherein said selecting step comprises processing each said video signal to select a color specific detection threshold value.
4. (Currently amended) A method for setting opto-sensor detection sensitivity in a projection video display comprising the steps of:
  - a) sequentially generating a plurality of video signals comprising a first color video signal, a second color video signal, and a third color video signal for illuminating a sensor with video images of said plurality of video signals;
  - b) automatically selecting respective detection thresholds responsive to said plurality of video signals, wherein said selecting step comprises activating for each said video signal a specific threshold value for detecting sensor signals;
  - c) sequentially detecting sensor signals in excess of said respective detection thresholds; and,
  - d) coupling said detected sensor signals for automated adjustment of said projection video display;

~~The method of claim 2,~~ wherein said activating step comprises selecting a detection threshold value for [[a]] said third color video signal during an absence of said ~~two first~~ color video signals and said second color video signal.

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5. (Canceled)
6. (Original) A video amplifier for a display device, comprising:  
first and second transistors configured as a cascode amplifier coupled to said display device and responsive to a video signal;  
a time constant network coupled to said first and second transistors for developing a control voltage responsive to said video signal; and  
a third transistor responsive to said control voltage and being switched between conduction and non-conduction responsive to a presence and absence of said video signal.
7. (Original) The video amplifier of claim 6, wherein said third transistor is conductive when said video signal is present in said cascode amplifier.
8. (Original) The video amplifier of claim 6, wherein said third transistor remains conductive during a predetermined interval upon cessation of said video signal in said cascode amplifier.
9. (Original) The video amplifier of claim 6, wherein said time constant network has different charging and discharging times.
10. (Original) The video amplifier of claim 6, wherein said third transistor generates a predetermined constant current responsive to said video signal presence.

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11. (Currently amended) A projection display device with automated adjustment using at least one photo sensor, comprising:

a source of video signal generating an image for illuminating said photo-sensor and forming a photo sensor signal;

a detector coupled to said photo sensor and generating an output signal responsive to said photo sensor signal shaving a certain signal value; and,

a threshold generator responsive to said video signal for setting a detection threshold for said detector,

wherein, said detector generates an output signal for said automated adjustment when said photo sensor signal value exceeds said detection threshold generated responsive to said video signal, and absent said video signal said threshold generator assumes a second detection threshold in accordance with a second video signal; and wherein said video signal forming said image for illuminating said photo sensor represents a marker block positioned within a raster to illuminate said photo sensor when said image is projected.

12. (Original) The projection display device of claim 11, wherein said video signal coupled for automated alignment represents a specific colored image.

13. (Currently amended) A projection display device with an automated adjustment using at least one photo sensor, comprising:

a source of video signal generating an image for illuminating said photo sensor and forming a photo sensor signal;

a detector coupled to said sensor and generating an output signal responsive to said photo sensor signal shaving a certain signal value; and,

a threshold generator responsive to said video signal for setting a detection threshold for said detector.

wherein, said detector generates an output signal for said automated adjustment when said sensor signal value exceeds said detection threshold generated responsive to said video signal, and absent said video signal said threshold generator assumes a second detection threshold in accordance with a second video signal; and

The projection display device of claim 11, wherein said threshold signal value enables detection of said photo sensor signal when illuminated by a colored image formed by said video signal.

14. (Canceled)